

**R18**

**Code No: 156DP**

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**

**B. Tech III Year II Semester Examinations, March - 2024**

**DISASTER PREPAREDNESS AND PLANNING MANAGEMENT**

**(Common to EEE, ME, ECE, CSE, IT, MIE, CSE(CS), CSE(AI&ML), CSE(DS), CSE(IOT))**

**Time: 3 Hours**

**Max. Marks: 75**

**Note:** i) Question paper consists of Part A, Part B.

ii) Part A is compulsory, which carries 25 marks. In Part A, Answer all questions.

iii) In Part B, Answer any one question from each unit. Each question carries 10 marks and may have a, b as sub questions.

**PART - A**

**(25 Marks)**

- |      |  |     |
|------|--|-----|
| 1.a) | What is meant by mitigation?   | [2] |
| b)   | What do you understand by vulnerability?                             | [3] |
| c)   | What is meant by eye of the cyclone?                                 | [2] |
| d)   | Describe the major cause of urban flooding.                          | [3] |
| e)   | What is considered the main reason for global warming?               | [2] |
| f)   | Brief the impact of global warming on climate change.                | [3] |
| g)   | Brief on the role of Red Cross society.                              | [2] |
| h)   | What is the importance of pre-disaster stage in disaster mitigation? | [3] |
| i)   | What is a green building?  | [2] |
| j)   | What is the meaning of environmentally sustainable development?      | [3] |

**PART - B**

**(50 Marks)**

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|-----------|--|-------|
| 2.a)      | Describe the concept of disaster and brief on the elements of disaster.  |       |
| b)        | Distinguish hazard from the disaster, with an example.   | [5+5] |
| <b>OR</b> |  |       |
| 3.a)      | Explain in detail the features of perception approach to disaster management.                                      |       |
| b)        | Brief on the concept of risks severity.  | [5+5] |
| 4.a)      | What are the causes of increasing industrial pollution?  |       |
| b)        | What are the long-term consequences of forest denudation?  | [5+5] |
| <b>OR</b> |  |       |
| 5.a)      | Why the death rate remains one of the highest due to transportation accidents in India?                            |       |
| b)        | Which are the regions in our country considered most vulnerable to seismic activity?                               | [5+5] |
| 6.        | Give an account of the long-term effect of war and conflict on the economic, political, and social life of people. | [10]  |
| <b>OR</b> |  |       |
| 7.a)      | What is the nature of vulnerability to disaster across demographic section?  |       |
| b)        | Highlight the urgency to reduce global warming.  | [5+5] |

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8. Critically assess the role and contribution of NGOs in response to post disaster relief and rehabilitation measures, giving specific examples. [10]

**OR**

9.a) How has been meteorological department coming up with a warning on cyclones?

b) What are the phases of disaster management cycle? [5+5]

10.a) What is the impact of large-scale projects such as dams or hydropower generation on the environment?

b) To what extent mankind is responsible for increasing carbon in the environment? [5+5]

**OR**

11.a) Bring out the role of proper urban planning and development in reducing vulnerability for disaster.

b) What measures need to be taken to make our living environment friendly? [5+5]

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